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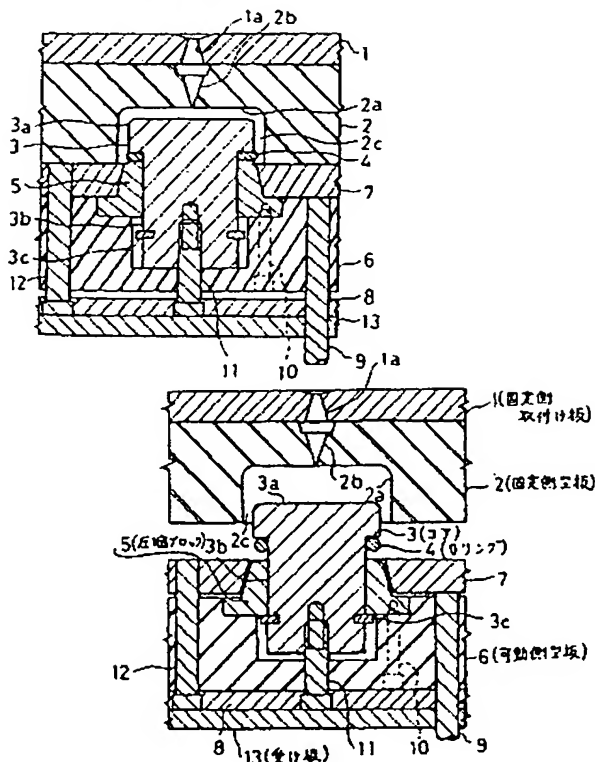
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TITLE : MOLD FOR MOLDED ITEM WITH
UNDERCUT



ABSTRACT : PURPOSE: To efficiently form the above molded item with undercut at arbitrary side position by a method wherein an undercut forming body, which is made of rubber-like elastic body, in the molding space of a mold having a core and a cavity.

CONSTITUTION: When a mold, which is under the condition that the mold is mounted to an injection molder under the predetermined state, is clamped and then molding material is injected in the mold, a core 3, which is retreated by the mold clamping pressure, compresses an O-ring 4, which is interposed between the core 3 and a compression block 5, so as to project the part of the flattened O-ring 4 into the predetermined position of a molding space 2c, which is formed through the clamping of the mold, resulting in creating a molding space corresponding to an object molded item having a fitting groove along the whole periphery of its inner side. Then, when the mold is opened after the finish of the formation of a molded item, the compression of the O-ring 4 is released and the O-ring 4 is restored to its initial state. As a result, the formed molded item is removed from the core part through the ejecting motion of a stripper plate 7 by being pushed with an ejector pin 9 without being hindered by the O-ring.

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